

What is fractal EMS?

BESS and hybrid controls. Fractal EMS is a fully vertical controls platform that includes software, controllers, integration and analytics (with optional monitoring, maintenance and bid optimization). Fractal EMS provides full command, control, monitoring and management for a single asset or fleet of assets (located anywhere in the world).

What is fractal EMS storage?

Fractal EMS storage data for the system life to support warranty claims and asset sale. Fractal provides a range of options, from top to bottom to higher levels controls. Open, modular platform that can control multiple sites with 100+ inverters. Fractal provides a fleet level view of your portfolio.

Does fractal need a cloud?

Fractal can host the historian, reports and HMI on-site or off-site (the equipment controls are on-site and do not need the cloud). Hybrid (AC or DC coupled), solar-only, storage-only, AC and DC coupled. Fractal EMS storage data for the system life to support warranty claims and asset sale.

What does fractal do?

Fractal designs, installs and commissions the controls, networking, SCADA, historian and HMI. Fractal can host the historian, reports and HMI on-site or off-site (the equipment controls are on-site and do not need the cloud). Hybrid (AC or DC coupled), solar-only, storage-only, AC and DC coupled.

Why should you choose fractal?

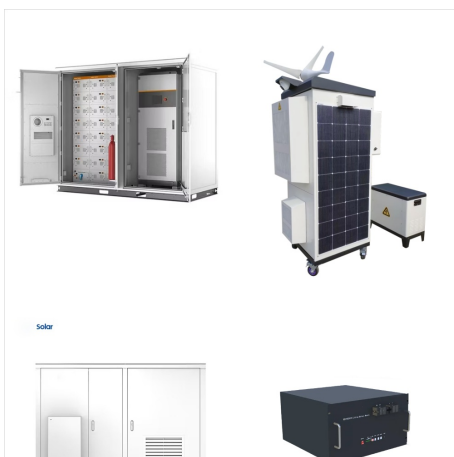
Fractal provides a fleet level view of your portfolio. Built on ISO 27001, NERC CIP and NIST 800-53 framework. Highly experienced in-house cyber/IT team with third-party auditing. Our team has over a decade of energy storage controls development, integration, commissioning and operations. Hardened equipment backed by a high availability guarantee.



Fractal EMS provides full command, control, monitoring and management functionality for a single energy storage asset or a fleet or assets location anywhere in the world. Fractal EMS was designed by experienced operators ???



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Fractal EMS and Gold Electronic Equipment Announce Partnership. In an exciting development for the clean energy sector, Fractal EMS Inc. and Gold Electronic Equipment Inc. have come together to innovate the way battery management systems (BMS) are created and implemented. This partnership is set to revolutionize solar and storage control



Daniel Crotzer, CEO of energy storage software controls provider Fractal EMS, details what an energy management system (EMS) is and why it often needs to be replaced on operational battery energy storage ???



FRACTAL EMS STANDARD PACKAGE . Fractal EMS provides custom equipment configurations, enclosures, monitoring and network security packages to meet your project's specific technical and commercial requirements. **SERVICE DESCRIPTION**; Engineering Drawings: 60%, 90% and IFC drawings .



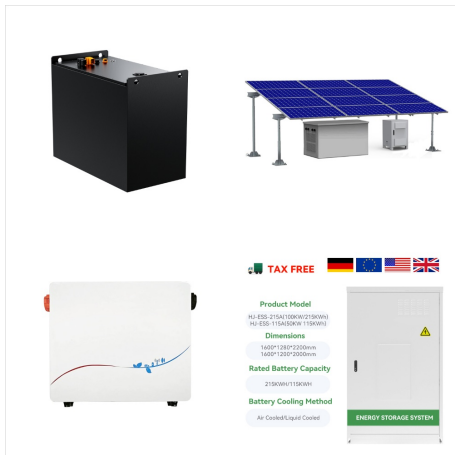
Fractal EMS, which has 3 GWh in operation and 8 GWh of awarded ESS and hybrid projects, was designed by experienced operators to maximize safety and profitability of storage and hy-brid systems.



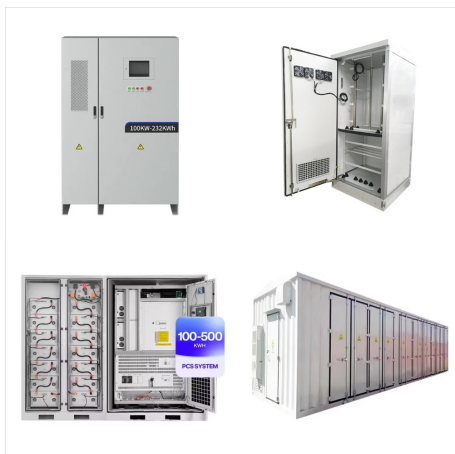
The Fractal BMS provides a 3-level BMS architecture (module, rack and system). The design of the Fractal BMS has been finalized, featuring an American-sourced chip, printed circuit board assembly



Fractal EMS integration, development, and testing (4 weeks) Commissioning and Substantial Completion (2 weeks)* *If the project has multiple inverters then step 6 only needs one inverter and its batteries. This means the ???



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Fractal EMS is designed to maximize the safety and profitability of storage and hybrid systems. Fractal EMS's mission is to combine advanced features, modern architecture, and competitive pricing to create the industry's best value in energy storage and hybrid controls.



Fractal EMS controllers are built to run real-time controls for power plants and have a mean time between failure of 40 years. Some EMS companies use cheap industrial PCs or use virtual machines running on one server (single point of failure).



About Fractal EMS. Fractal EMS is a company that focuses on energy storage controls in the energy sector. The company offers a comprehensive controls platform that includes software, controllers, integration, and analytics, providing full command, control, monitoring, and management for individual or multiple energy storage assets.



Daniel Crotzer, CEO of energy storage software controls provider Fractal EMS, details what an energy management system (EMS) is and why it often needs to be replaced on operational battery energy storage system (BESS) projects.



Fractal EMS includes a detailed data historian using web-based data retrieval for interactive visualization, analytics and custom report creation. All data is encrypted (including customer provided data) and is hosted with separate permission levels to maintain privacy and security of data. Time series data available for all interconnected



Fractal EMS has been used at 3GWh of energy storage projects worldwide already and the company claims a pipeline of a further 8GWh of awarded energy storage system (ESS) and hybrid projects using ESS. LG ???



Fractal BMS is scheduled for UL testing in late October 2024 and aims to become the gold standard for BESS deployments to mitigate risks associated with Foreign Entities of Concern (FEOC) and